MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI–DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175–2474
T (786) 315–2590 F (786) 315–2599
www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Tecnoglass, LLC
5220 NW 72nd Avenue, Bay No. 4
Miami, FL 33166

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami–Dade County RER–Product Control Section to be used in Miami–Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami–Dade County Product Control Section (In Miami–Dade County) and/ or the AHJ (in areas other than Miami–Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami–Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "HR–2600" Aluminum Horizontal Sliding Window – S.M.I.

APPROVAL DOCUMENT: Drawing No.**W06–37**, titled "Series HR2600 Alum. Horizontal Sliding Wdw. (S.M.I.)", sheets 01 through 07 of 07, dated 06/20/06, with revision "**D**" dated 08/01/14, prepared by Al–Farooq Corporation, signed and sealed by Javad Ahmad, P. E., bearing the Miami–Dade County Product Control Revision stamp with the Notice of Acceptance number and Expiration date by the Miami–Dade County Product Control Section.

MISSILE IMPACT RATING: Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, **Barranquilla, Colombia S.A.**, series, and following statement: "Miami–Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami–Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises NOA No. 12–0223.16** and consists of this page 1 and evidence pages E–1 and E–2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**

MIAMI-DADE COUNTY APPROVED

J. Gascon 8/28/14

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
   (Submitted under previous NOA No. 06-0712.10)
2. Drawing No. **W06-37**, Sheets 01 through 07 of 07, titled "Series HR2600 Alum. Horizontal Sliding Wdw. (S.M.I.)", dated 06/20/06, with revision "**D**" dated 08/01/14, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94
   4) Small Missile Impact Test per FBC, TAS 201-94
   5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

   along with marked-up drawings and installation diagram of XOX aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4770**, dated 01/17/06, signed and sealed by Edmundo Largaespada, P. E.
   (Submitted under previous NOA No. 06-0712.10)

C. CALCULATIONS:

1. Anchor verification calculations and structural analysis, complying with FBC, prepared by Al-Farooq Corporation, dated 05/10/11, signed and sealed by Javad Ahmad, P. E.
   (Submitted under previous NOA No. 11-0614.05)
2. **Glazing complies with ASTM E 1300-04.**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **13-0129.27** issued to **E.I. DuPont DeNemours & Co., Inc.** for their **"DuPont Butacite® PVB Interlayer"** dated 04/11/13, expiring on 12/11/16.

F. STATEMENTS

1. Statement letter of no financial interest, conformance and compliance with the **FBC-2010**, dated 08/05/14, signed and sealed by Javad Ahmad, P. E.
2. Asset purchase agreement dated 06/19/14, signed by Mr. Raul Casares, for and on behalf of R.C. Aluminum Industries, Inc. and Mr. José M. Daes, for and on behalf of Tecnoglass, LLC.
3. Statement letter dated 07/15/14, issued by R.C. Aluminum Industries, Inc. of sales of asset and relinquishing of all rights of NOA No. **12-0223.16**, signed by Raul Casares, for and on behalf of R.C. Aluminum Industries, Inc.

Jaime D. Gascon, P.E.
Product Control Section Supervisor
NOA No. 14-0807.14
Expiration Date: September 07, 2016
Approval Date: September 04, 2014

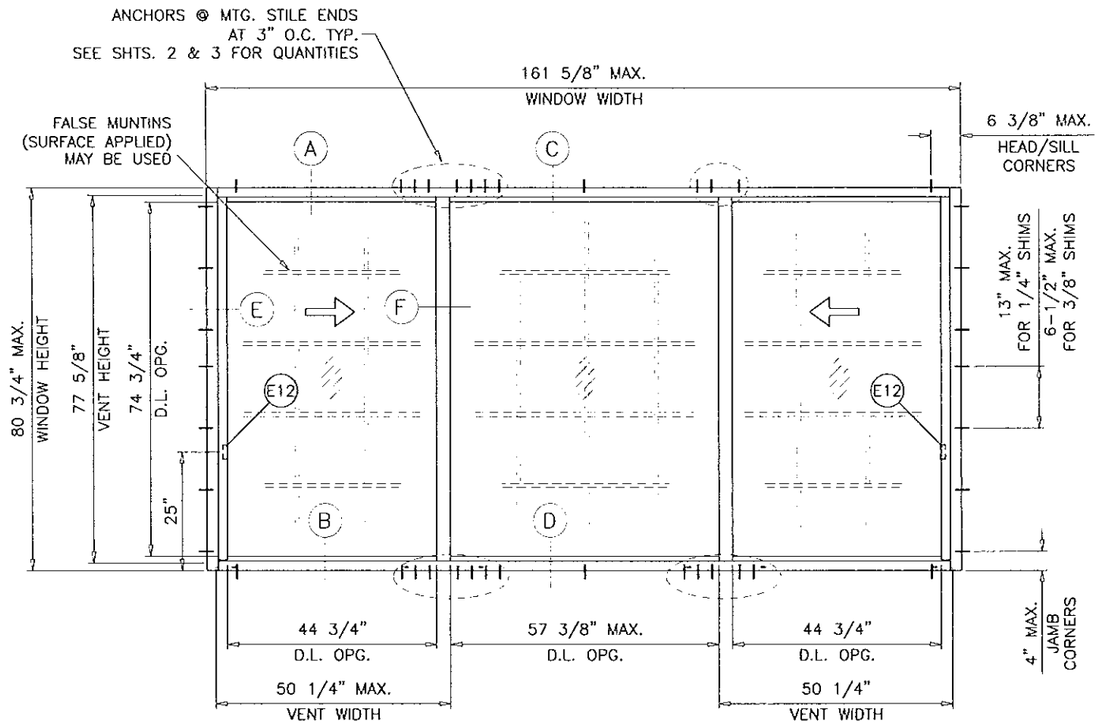
F. STATEMENTS (CONTINUED)

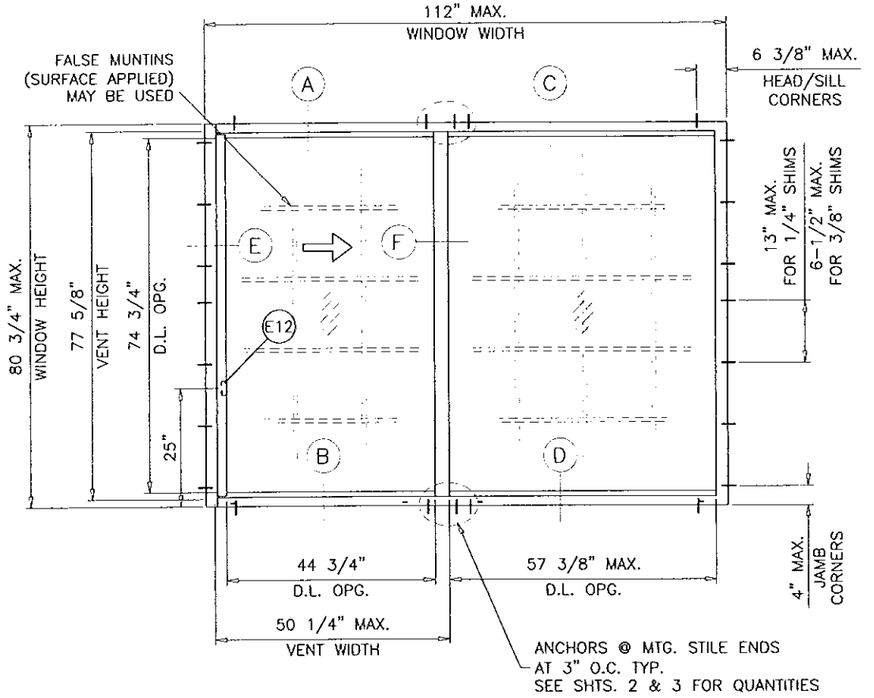
4. Department of State Certification of **TECNOGLASS, LLC** as a limited liability company, active and organized under the laws of the State of Florida, dated 03/03/14 and signed by Ken Detzner, Secretary of State.
5. Statement letter of conformance to, complying with **FBC–2007** and **FBC–2010**, and of no financial interest, dated 02/15/12, signed and sealed by Javad Ahmad, P. E.
   (Submitted under previous NOA No. 12–0223.16)
6. Laboratory compliance letter for Test Report no. **FTL–4770**, issued by Fenestration Testing Laboratory, Inc., dated 02/24/06, signed and sealed by Edmundo Largaespada, P. E.
   (Submitted under previous NOA No. 06–0712.10)

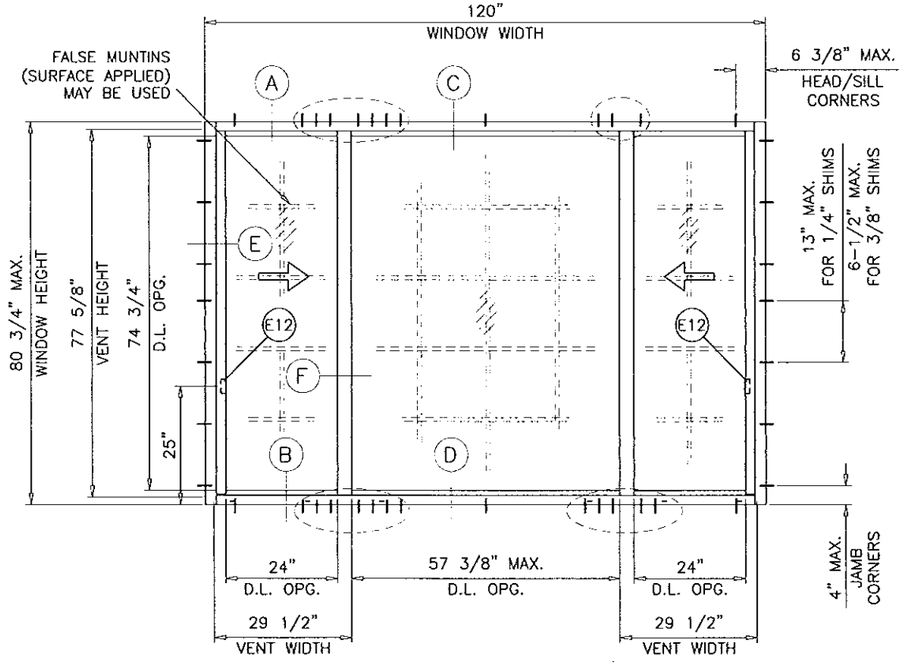
G. OTHERS

1. Notice of Acceptance No. **12–0223.16**, issued to R.C. Aluminum Industries, Inc. for their Series "**HR–2600 Aluminum Horizontal Sliding Window – S.M.I.**", approved on 05/03/12 and expiring on 09/07/16.

Jaime D. Gascón, P.E.
Product Control Section Supervisor
NOA No. 14–0807.14
Expiration Date: September 07, 2016
Approval Date: September 04, 2014







TYPICAL ELEVATIONS

THESE WINDOWS ARE RATED FOR SMALL MISSILE IMPACT.
MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS
REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE.
SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

SERIES HR2600
ALUMINUM HORIZONTAL SLIDING WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEETS 2 & 3.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF H.S./H.S. OR HORIZONTAL SLIDING WITH OTHER MIAMI-DADE COUNTY APPR'D WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN.
LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE SECTION 2003.8.4.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 14-0807.14
Expiration Date 09/07/2016
By
Miami Dade Product Control

LAMINATED GLASS
SMALL MISSILE IMPACT

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

AUG 27 2014

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W06-37RC

SERIES HR2600 ALUM HORIZONTAL SLIDING WDW.(S.M.I.)

TECNOGLASS, LLC
5220 N.W. 72 AVE. BAY #4
MIAMI, FL. 33166
TEL. (305) 624-7777 FAX. (305) 624-7775

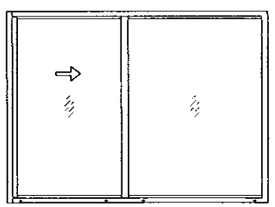
revisions:			
no	date	by	description
A	07.24.09		UPDATED FOR 2007 FBC
B	05.10.11		ENGR NAME CHANGED
C	02.15.12		UPDATED TO 2010 FBC
D	08.01.14		MANUF. NAME REV.

date: 06-20-06
scale: 3/8"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W06-37

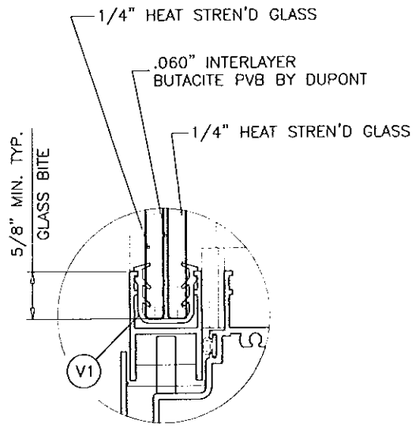
DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)

WINDOW DIMS.		1/4" KWIK-CON ANCHORS 3/8" SHIM SPACE			1/4" KWIK-FLEX SCREWS 1/4" SHIM SPACE			1/4" KWIK-FLEX SCREWS 3/8" SHIM SPACE		
		A3	A4	A5	A3	A4	A5	A6	A7	A8
WIDTH	HEIGHT	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
36"	36"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
72"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
84"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
96"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
108"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
112"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36"	48"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
72"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
84"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
96"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
108"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
112"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36"	60"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
72"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
84"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
96"		120.0	120.0	120.0	118.5	120.0	120.0	120.0	120.0	120.0
108"		115.2	120.0	120.0	105.3	120.0	120.0	120.0	120.0	120.0
112"		111.1	120.0	120.0	101.6	120.0	120.0	120.0	120.0	120.0
36"	72"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
72"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
84"		120.0	120.0	120.0	112.9	120.0	120.0	120.0	120.0	120.0
96"		108.0	120.0	120.0	98.8	120.0	120.0	120.0	120.0	120.0
108"		96.0	120.0	120.0	87.8	117.0	120.0	113.3	120.0	120.0
112"		92.6	120.0	120.0	84.6	112.9	120.0	109.2	120.0	120.0
36"	80-3/4"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
72"		120.0	120.0	120.0	117.4	120.0	120.0	120.0	120.0	120.0
84"		110.1	120.0	120.0	100.6	120.0	120.0	120.0	120.0	120.0
96"		96.3	120.0	120.0	88.0	117.4	120.0	113.6	120.0	120.0
108"		85.6	114.1	120.0	78.3	104.4	120.0	101.0	117.8	120.0
112"		82.5	110.1	120.0	75.5	100.6	120.0	97.4	113.6	120.0

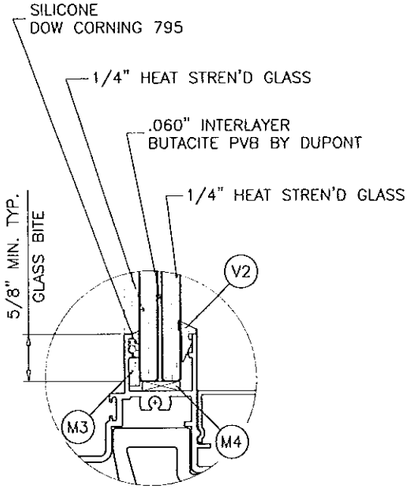


ANCHORS TYPES: SEE SHEET 4 FOR DESCRIPTION

A3 = (3) ANCHORS AT MTG. STILE ENDS
A4 = (4) ANCHORS AT MTG. STILE ENDS
A5 = (5) ANCHORS AT MTG. STILE ENDS
A6 = (6) ANCHORS AT MTG. STILE ENDS
A7 = (7) ANCHORS AT MTG. STILE ENDS
A8 = (8) ANCHORS AT MTG. STILE ENDS



VENT



FIX. LITE

GLAZING DETAIL

D.L. OPG. DIMENSIONS
MAXIMUM WIDTH = 57-3/8"
MAXIMUIM HEIGHT = 74-3/4"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 14-0807.14
Expiration Date 09/04/2016
By
Miami Dade Product Control

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
AUG 27 2014

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
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COMP-ANL\W06-37RC

SERIES HR2600 ALUM HORIZONTAL SLIDING WDW.(S.M.I.)

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revisions:

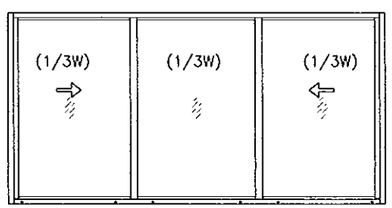
no	date	by	description
A	07.24.09		UPDATED FOR 2007 FBC
B	05.10.11		ENGR NAME CHANGED
C	02.16.12		NO CHANGE THIS SHEET
D	08.01.14		MANUF. NAME REV.

date: 06-20-06
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W06-37

DESIGN LOAD CAPACITY - PSF (XOX SIZES)

WINDOW DIMS.		1/4" KWIK-CON ANCHORS			1/4" KWIK-FLEX SCREWS					
		3/8" SHIM SPACE			1/4" SHIM SPACE			3/8" SHIM SPACE		
		A3	A4	A5	A3	A4	A5	A6	A7	A8
WIDTH	HEIGHT	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
84"	36"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
96"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
108"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
120"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
132"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
144"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
156"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
161-5/8"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
84"	48"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
96"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
108"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
120"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
132"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
144"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
156"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
161-5/8"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
84"	60"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
96"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
108"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
120"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
132"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
144"		120.0	120.0	120.0	118.5	120.0	120.0	120.0	120.0	120.0
156"		119.6	120.0	120.0	109.4	120.0	120.0	120.0	120.0	120.0
161-5/8"		115.5	120.0	120.0	105.6	120.0	120.0	120.0	120.0	120.0
84"	72"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
96"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
108"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
120"		120.0	120.0	120.0	118.5	120.0	120.0	120.0	120.0	120.0
132"		117.8	120.0	120.0	107.7	120.0	120.0	120.0	120.0	120.0
144"		108.0	120.0	120.0	98.8	120.0	120.0	120.0	120.0	120.0
156"		99.7	120.0	120.0	91.2	120.0	120.0	117.6	120.0	120.0
161-5/8"		96.2	120.0	120.0	88.0	117.3	120.0	113.5	120.0	120.0
84"	80-3/4"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
96"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
108"		120.0	120.0	120.0	117.4	120.0	120.0	120.0	120.0	120.0
120"		115.6	120.0	120.0	105.7	120.0	120.0	120.0	120.0	120.0
132"		105.1	120.0	120.0	96.1	120.0	120.0	120.0	120.0	120.0
144"		96.3	120.0	120.0	88.0	117.4	120.0	113.6	120.0	120.0
156"		88.9	118.5	120.0	81.3	108.4	120.0	104.9	120.0	120.0
161-5/8"		85.8	114.4	120.0	78.4	104.6	120.0	101.2	118.1	120.0



OPERATING VENTS TO BE 1/3 OF THE WINDOW WIDTH

ANCHORS TYPES: SEE SHEET 4 FOR DESCRIPTION

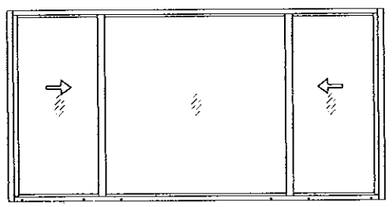
A3 = (3) ANCHORS AT MTG. STILE ENDS
A4 = (4) ANCHORS AT MTG. STILE ENDS
A5 = (5) ANCHORS AT MTG. STILE ENDS
A6 = (6) ANCHORS AT MTG. STILE ENDS
A7 = (7) ANCHORS AT MTG. STILE ENDS
A8 = (8) ANCHORS AT MTG. STILE ENDS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 14-0807.16
Expiration Date 09/09/2016
By
Miami Dade Product Control

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

DESIGN LOAD CAPACITY - PSF (XOX SIZES)

WINDOW DIMS.		1/4" KWIK-CON ANCHORS			1/4" KWIK-FLEX SCREWS					
		3/8" SHIM SPACE			1/4" SHIM SPACE			3/8" SHIM SPACE		
		A3	A4	A5	A3	A4	A5	A6	A7	A8
WIDTH	HEIGHT	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
84"	36"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
96"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
108"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
120"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
132"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
144"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
156"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
161-5/8"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
84"	48"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
96"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
108"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
120"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
132"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
144"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
156"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
161-5/8"		120.0	120.0	120.0	117.3	120.0	120.0	120.0	120.0	120.0
84"	60"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
96"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
108"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
120"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
132"		120.0	120.0	120.0	114.9	120.0	120.0	120.0	120.0	120.0
144"		115.2	120.0	120.0	105.3	120.0	120.0	120.0	120.0	120.0
156"		106.3	120.0	120.0	97.2	120.0	120.0	120.0	120.0	120.0
161-5/8"		102.7	120.0	120.0	93.9	120.0	120.0	120.0	120.0	120.0
84"	72"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
96"		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
108"		120.0	120.0	120.0	117.0	120.0	120.0	120.0	120.0	120.0
120"		115.2	120.0	120.0	105.3	120.0	120.0	120.0	120.0	120.0
132"		104.7	120.0	120.0	95.8	120.0	120.0	120.0	120.0	120.0
84"	80-3/4"	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
96"		120.0	120.0	120.0	117.4	120.0	120.0	120.0	120.0	120.0
108"		114.1	120.0	120.0	104.4	120.0	120.0	120.0	120.0	120.0
120"		102.7	120.0	120.0	93.9	120.0	120.0	120.0	120.0	120.0



OPERATING VENTS TO BE 1/4 TO 1/3 OF THE WINDOW WIDTH

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

AUG 27 2014

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978

COMP-ANL\W06-37RC

SERIES HR2600 ALUM HORIZONTAL SLIDING WDW.(S.M.I.)

TECNOGLASS, LLC
5220 N.W. 72 AVE. BAY #4
MIAMI, FL. 33166
TEL. (305) 624-7775 FAX. (305) 624-7777

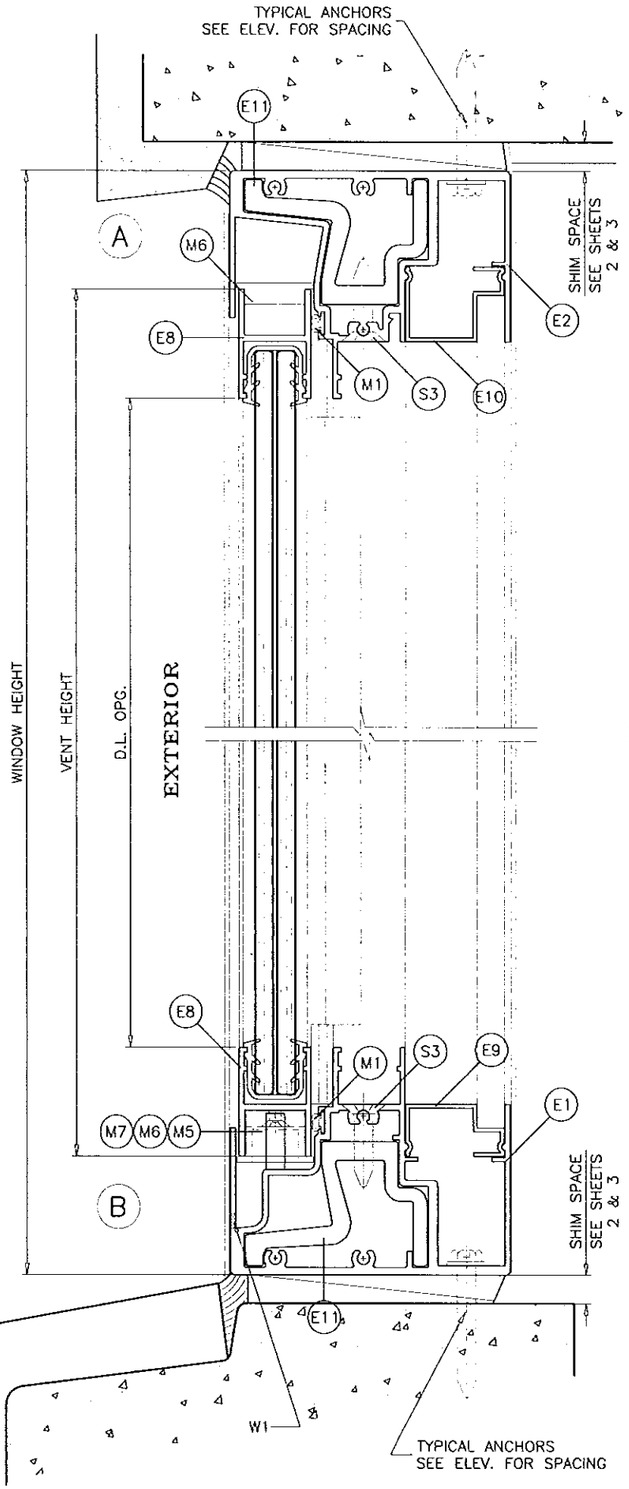
revisions:

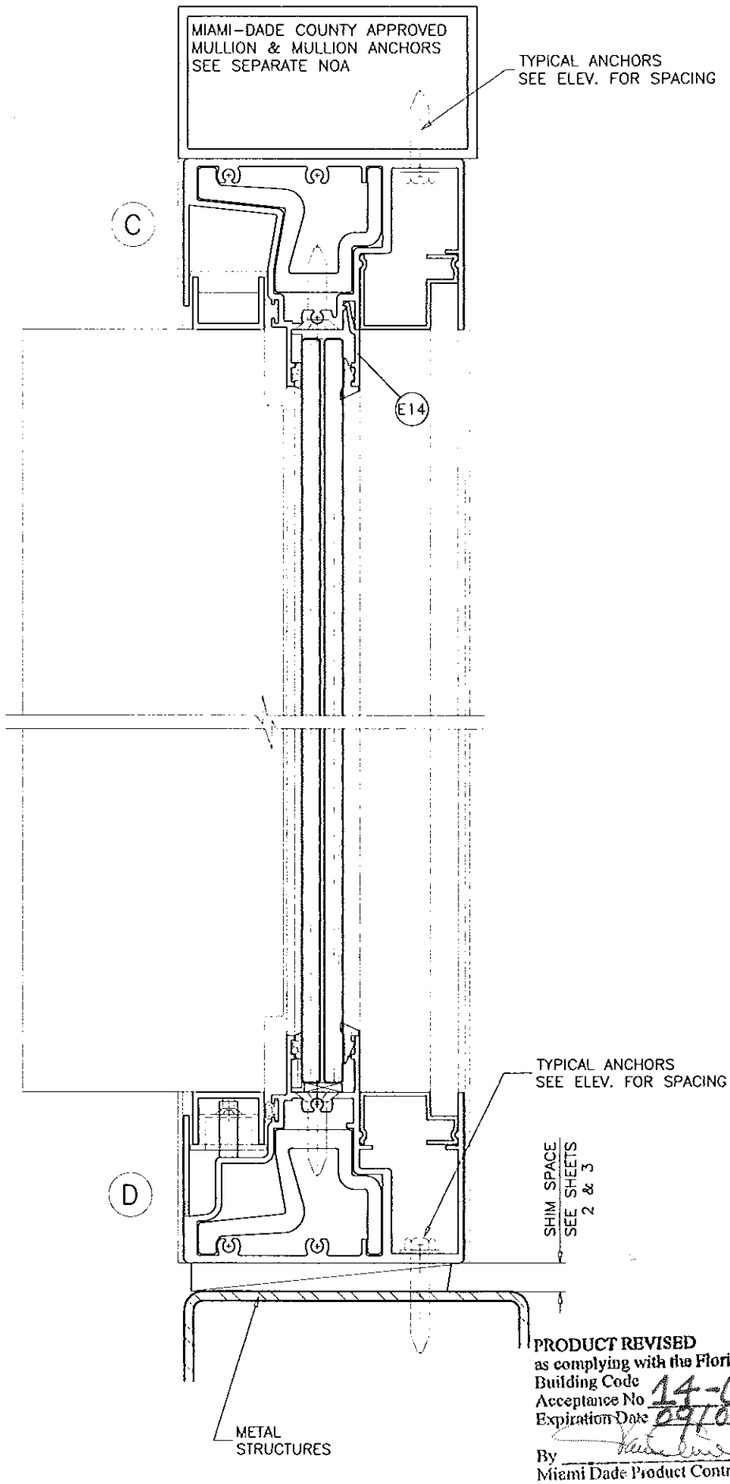
no	date	by	description
A	07.24.09		UPDATED FOR 2007 FBC
B	05.10.11		ENGR NAME CHANGED
C	02.16.12		NO CHANGE THIS SHEET
D	08.01.14		MANUF. NAME REV.

date: 06-20-06
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W06-37

sheet 3 of 7





METAL STRUCTURE NOT BY TECNOGLASS
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. HILTI KWIK-CON II (Fu=163 KSI, Fy=157 KSI)
DIRECTLY INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

1/4" DIA. HILTI KWIK-FLEX SELF DRILLING SCREWS (Fu=92 KSI, Fy=120 KSI)
INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = .090")
INTO METAL STRUCTURES
STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCES
INTO CONCRETE AND MASONRY = 2-1/2" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

SEALANTS:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH
WHITE/ALUM COLORED SILICONE.

WEEPHOLES:

W1 = 1" X 1/4" WEEPHOLES TWO PER LITE AT 6" FROM
ENDS WITH PLASTIC BAFFLE

PRODUCT REVISED
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Expiration Date 09/04/2016
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afc

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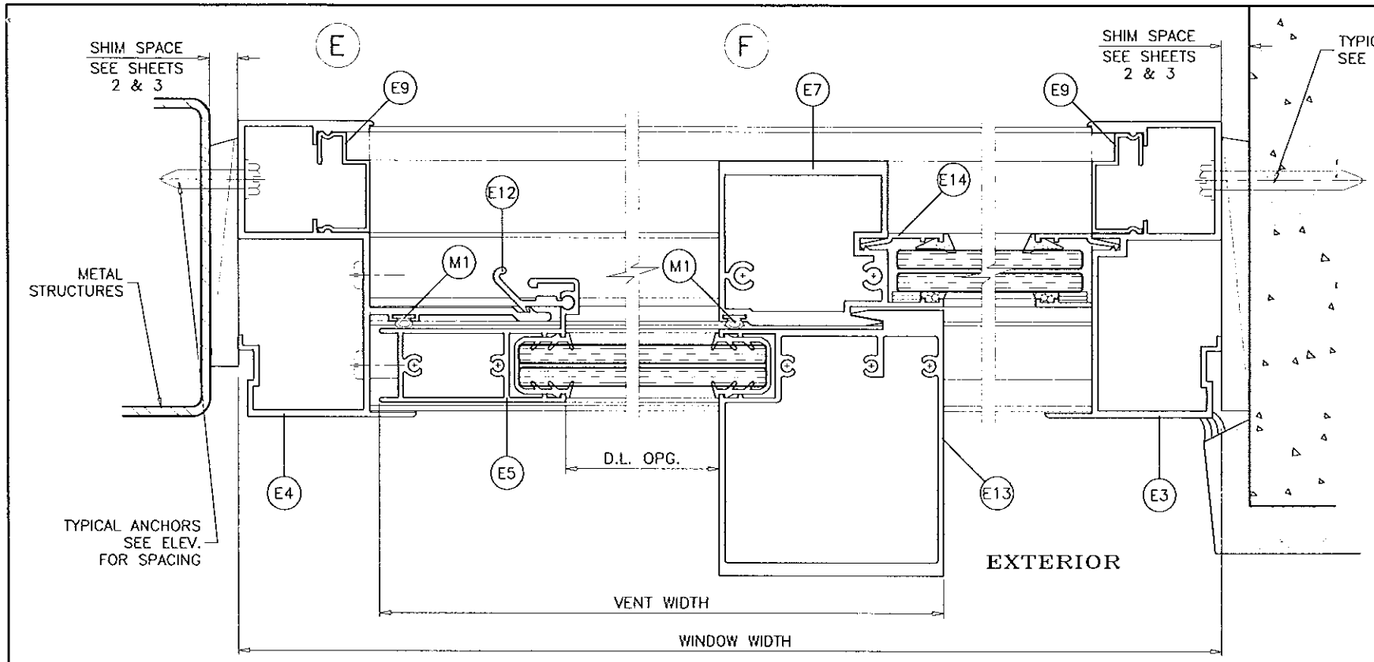
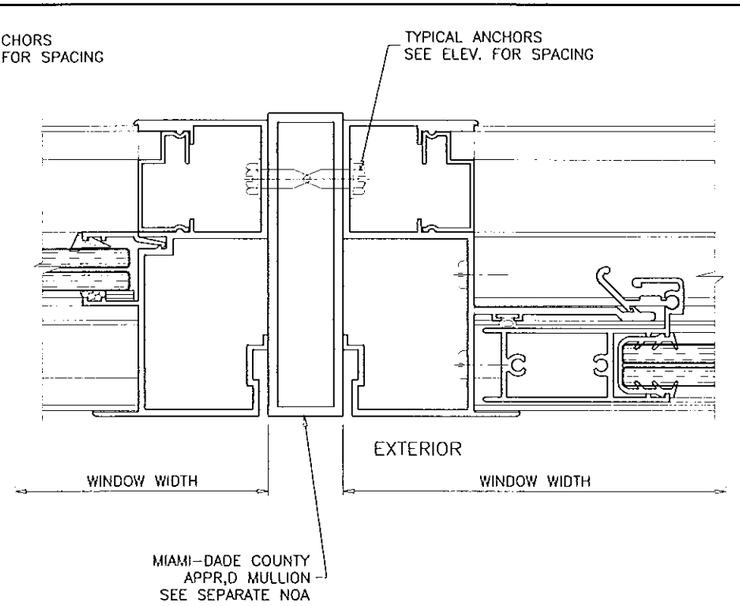
date: 06-20-06
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

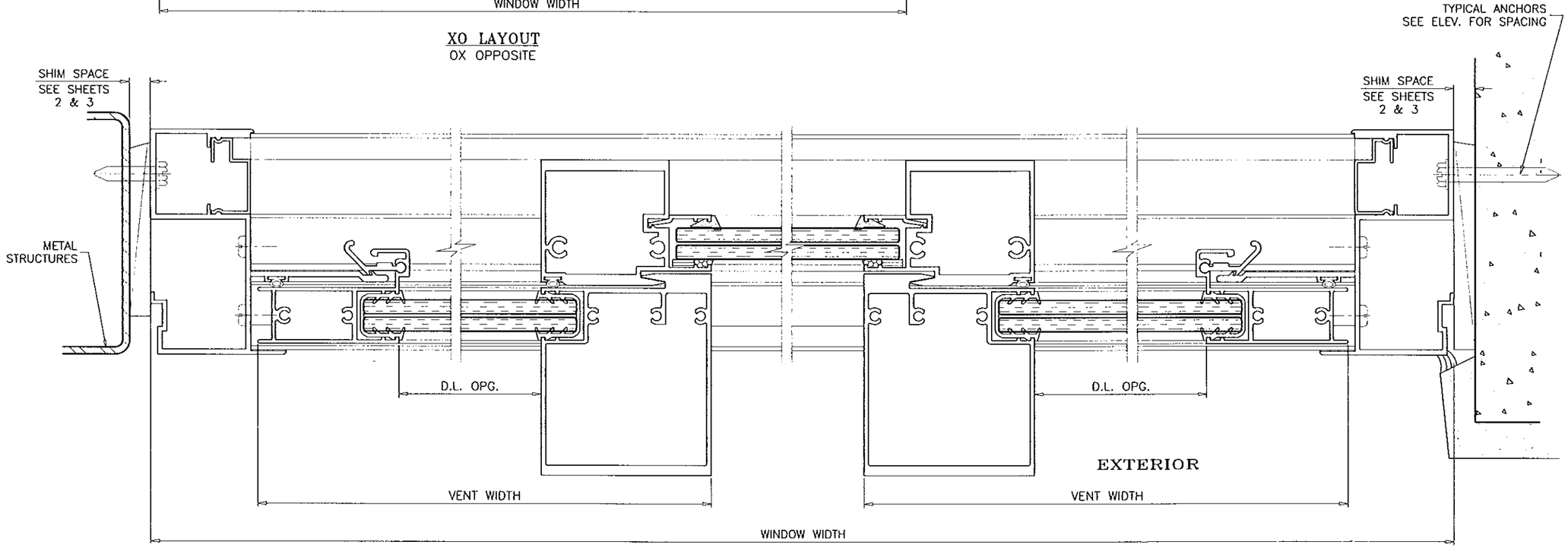
drawing no.
W06-37

sheet 4 of 7





XO LAYOUT
OX OPPOSITE



XOX LAYOUT

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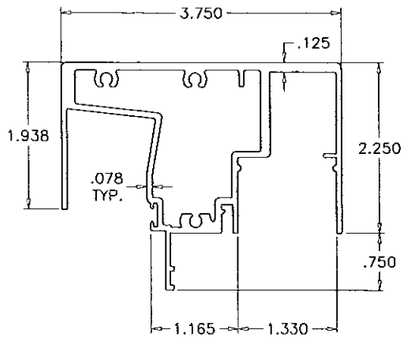
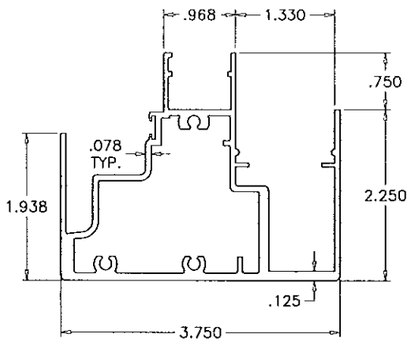
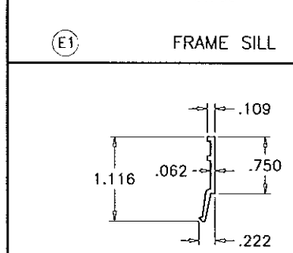


E2 FRAME HEAD

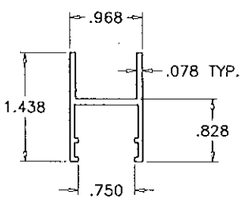


E1 FRAME SILL

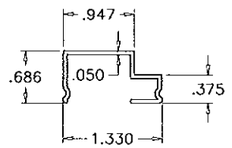


E14 GLAZING BEAD

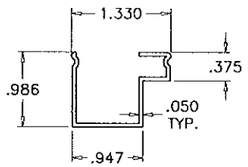
E4 FRAME JAMB @ MOVING SIDE



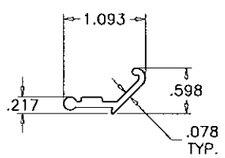
E8 VENT TOP/BOTTOM RAIL



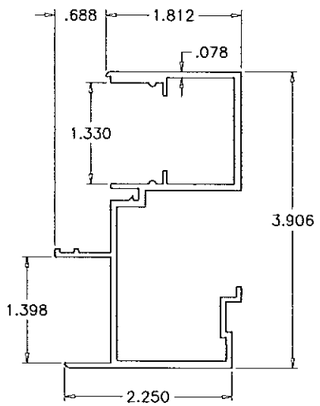
E9 JAMB/SILL ANCHOR COVER



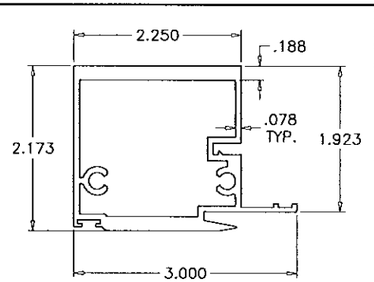
E10 HEAD ANCHOR COVER



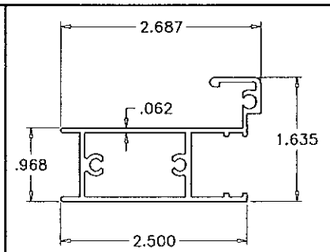
E12 FINGER LOCK



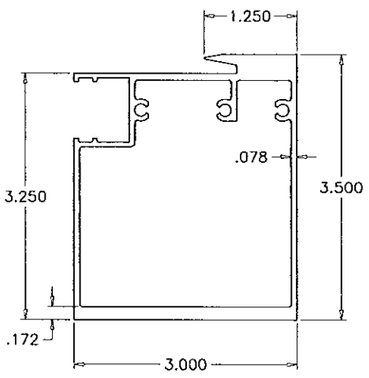
E3 FRAME JAMB @ FIXED SIDE



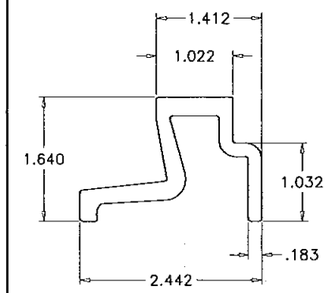
E7 MEETING STILE



E5 JAMB STILE



E13 VENT INTERLOCK



E11 MTG. STILE END SUPPORT

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E1	HR2600-001	1	FRAME SILL	6005-T5	-
E2	HR2600-002	1	FRAME HEAD	6005-T5	-
E3	HR2600-003	AS REQD.	FRAME JAMB @ FIXED SIDE	6063-T6	-
E4	HR2600-004	AS REQD.	FRAME JAMB @ MOVING SIDE	6063-T6	-
E5	HR2600-005	1/ VENT	JAMB STILE	6063-T6	-
E7	HR2600-007	1/ VENT	FRAME MEETING STILE	6063-T6	-
E8	HR2600-008	2/ VENT	VENT TOP & BOTTOM RAIL	6063-T6	-
E9	HR2600-009	AS REQD.	SILL AND JAMB ANCHOR COVER	6005-T5	-
E10	HR2600-010	AS REQD.	HEAD ANCHOR COVER	6005-T5	-
E11	HR2600-011	AS REQD.	MEETING STILE END SUPPORT, 8" LONG	6005-T5	AT FIX. MTG. RAIL LOCATIONS
E12	HR2600-012	1/ VENT	ALUM FINGER LOCK (3" LONG)	6063-T6	-
E13	HR2600-013	1/ VENT	VENT INTERLOCK	6005-T5	-
E14	500Y-007	AS REQD.	GLAZING BEAD	6063-T6	-
V1	V-068	AS REQD.	MARINE GLAZING	EPDM	DUROMETER ±75 SHORE A
V2	V-053	AS REQD.	WEDGE GASKET	TPE	DUROMETER ±75 SHORE A
S1	#10 X 1"	AS REQD.	FRAME ASSEMBLY SCREWS	ST/ST	PH. PHL. SMS POINT "B"
S2	#14 X 3/4"	AS REQD.	MEETING STILE ASSEMBLY SCREWS	ST/ST	PH. SMS POINT "B"
S3	#14 X 1"	2/ SUPPORT	MEETING STILE END SUPPORT ASSEMBLY SCREWS	ST/ST	FH. SMS
S5	#10 X 1"	AS REQD.	VENT ASSEMBLY SCREWS	ST/ST	FH. SMS
M1	Q-270X300	AS REQD.	FABRIC COATED FOAM W'STRIPPING	-	Q-LON
M3	V2100	-	3/8" X 3/16" SINGLE FACE TAPE	-	-
M4	-	3/ FIX. LITE	1/8" X 1/2" X 4" LG. SETTING BLOCK AT SILL	-	AT 6" FROM ENDS & MIDSPAN
M5	P-024	2/ VENT	WHEEL	NYLON	-
M6	P-032	2/ VENT	WHEEL RETAINER HOUSING	PLASTIC	-
M7	RS100-M01	-	KNURLED PIN AXLE	ST/ST	-
M8	66900-001	-	PLASTIC WEEP HOLE FLAP	-	-

PRODUCT REVISED
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Miami Dade Product Control

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CIVIL
FLA. PE # 70592
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AUG 07 2014

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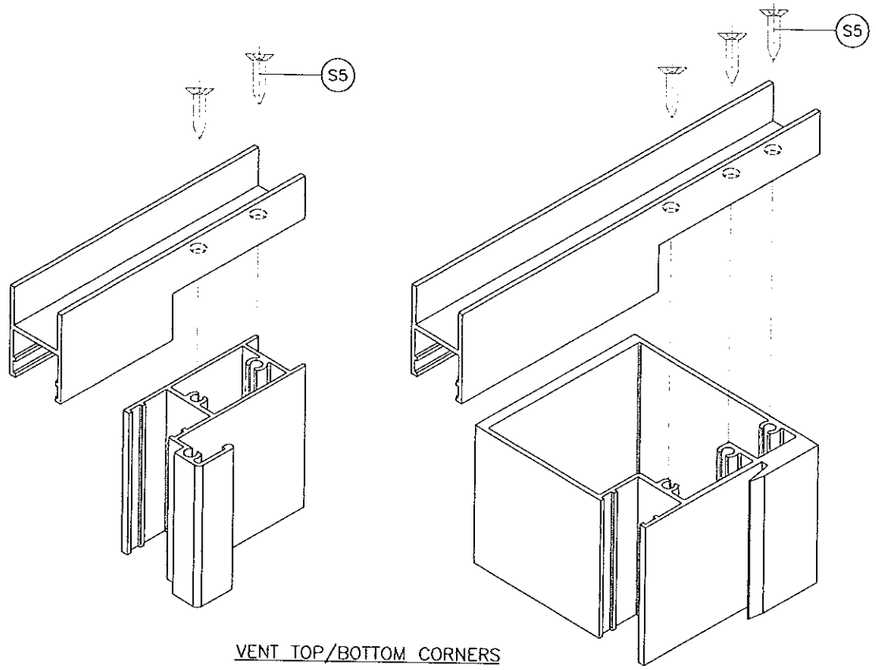
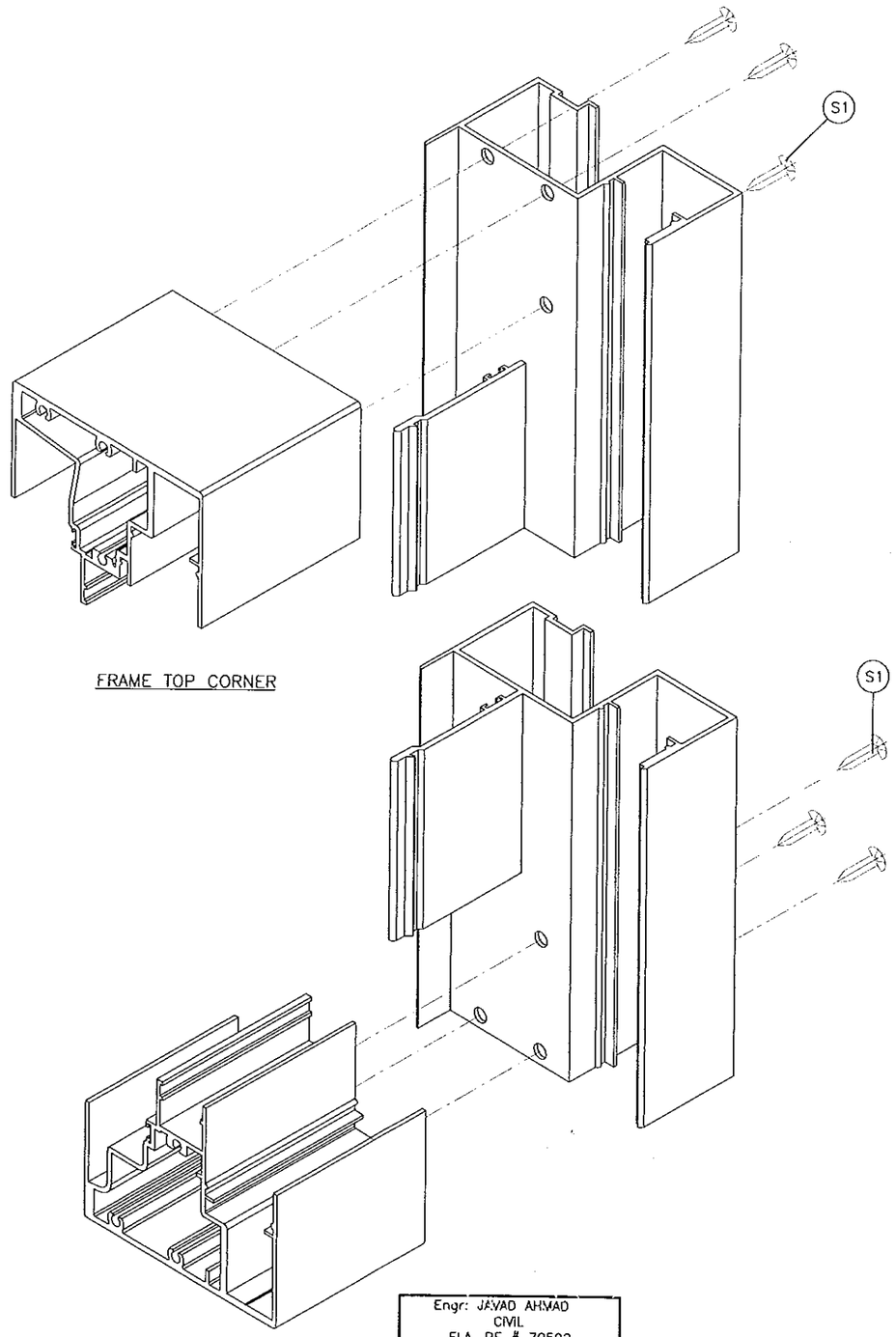
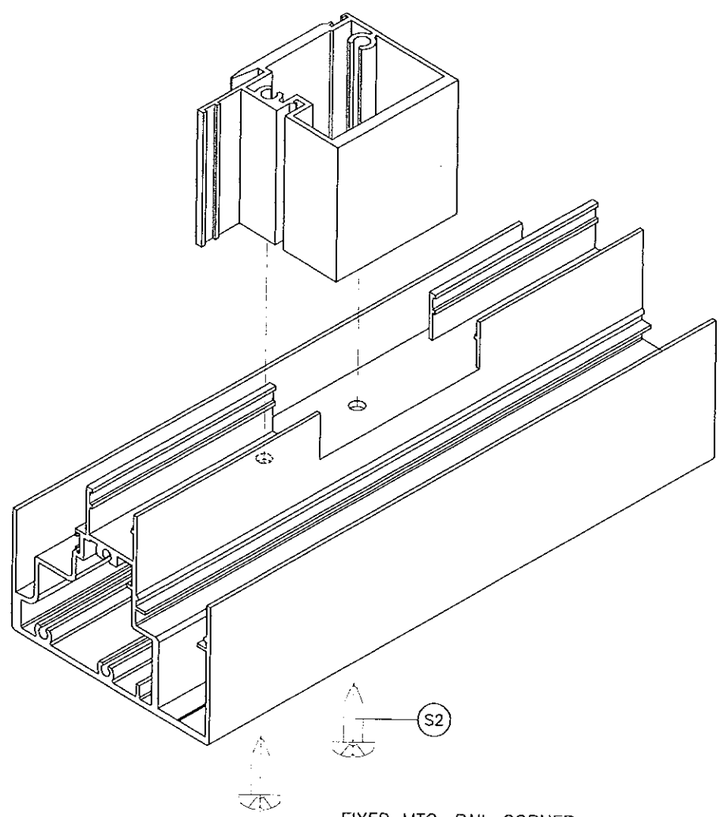
sheet 6 of 7



VENT TOP/BOTTOM CORNERS



FRAME TOP CORNER



FIXED MTG. RAIL CORNER

FRAME BOTTOM CORNER

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B	05.10.11		ENGR NAME CHANGED
C	02.16.12		NO CHANGE THIS SHEET
D	08.01.14		MANUF. NAME REV.

date: 06-20-06
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W06-37

sheet 7 of 7